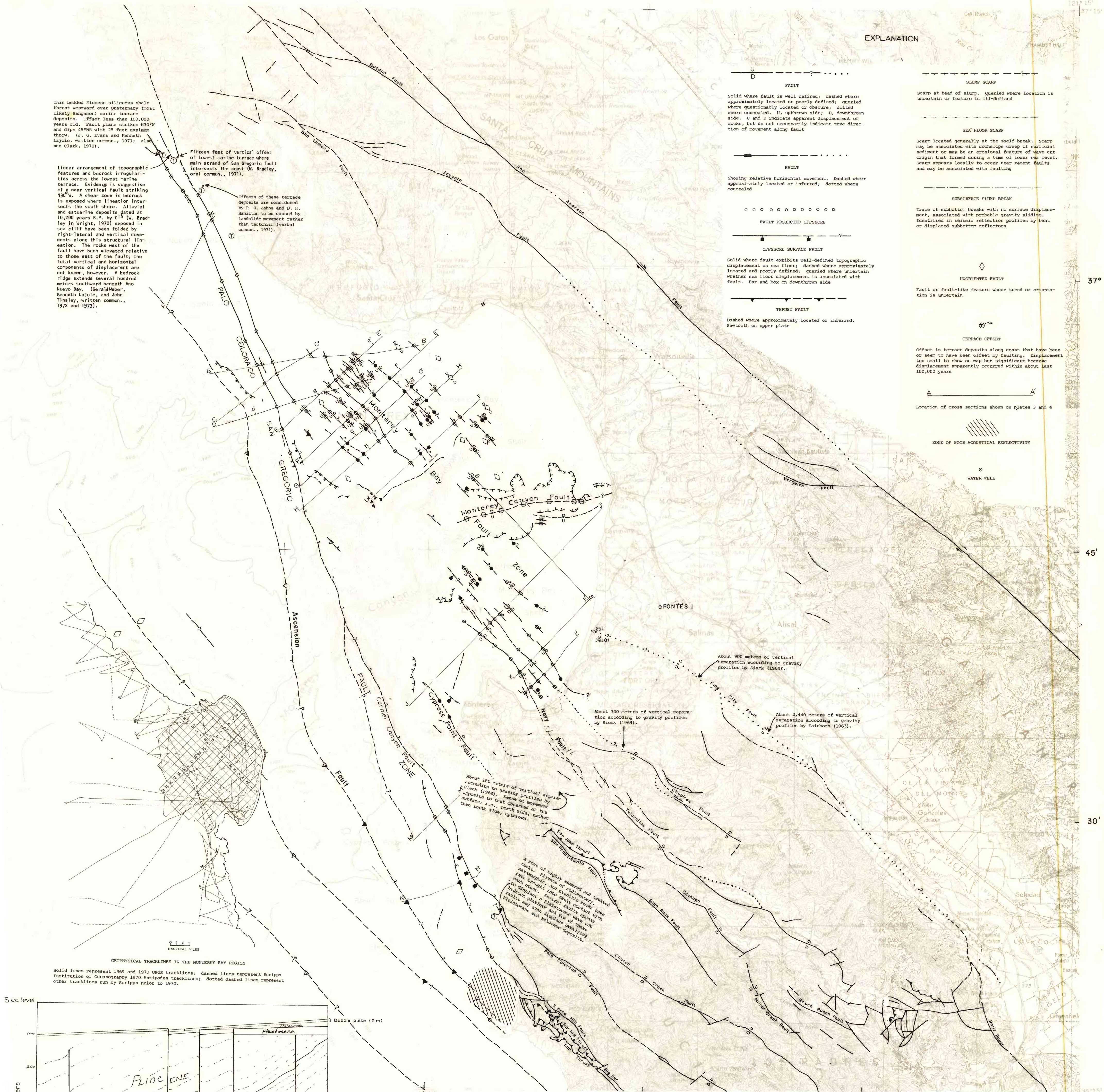


GEOLOGY OF THE MONTEREY BAY REGION, CALIFORNIA

PLATE 5



FAULT MAP OF THE MONTEREY BAY REGION, CALIFORNIA

By
H. Gary Greene
1977

SCALE 1:200,000



Modified after Greene and others (1973)

This report is preliminary and has not been edited or reviewed for conformity with Geological Survey standards and nomenclature.

Diagrammatic cross section illustrating the various ages of faults and showing how these ages are represented by depth symbols on the map. Symbols are placed at points where the fault has been geographically located from seismic reflection data; that is, symbols show control points used in locating the faults and are positioned where a geophysical trackline crosses a fault.

Symbols: Faults that displace the sea floor are shown by bar and solid square on the downthrown side. Faults that extend to within 6 meters (i.e., the base of the bubble pulse as described in the appendix) but do not displace the sea floor are shown by an open square; some of these faults may displace Holocene deposits (deposits 0 to 10,000 years old). Faults that extend to the base of, but not into, the Holocene deposits are shown by a solid circle. Faults that cut middle and late Tertiary rocks (Miocene and Pliocene rocks in the Monterey Bay area) and may extend up to the base of Pleistocene deposits (deposits 10,000 to 1.8 million years old) are shown by an open circle. Faults that extend up into Pliocene strata are shown by a solid triangle. Faults that extend up into Miocene strata are shown by an open triangle. Faults that exist at 200 to 500 meters but do not cut the Cretaceous basement rocks have no depth symbol. Faults that show separation in Cretaceous basement rocks and may extend no more than 100 meters into overlying strata of probable early to middle Tertiary age are shown by a hexagon.

Onland contour interval - 200 feet (60 meters)
Offshore contour interval - 100 fathoms (600 feet or 183 meters)
Contour interval of the detailed Monterey Bay area - 10 meters to a depth of 100 meters
- 50 meters at depths greater than 100 meters